Instruction Manual

RML-1200

1200W Leading Edge Wireless Dimmer

2024
Version 2.0.0

For more information relating to the RML-1200 see the [Wireless Module Application Sheet](#), [Wireless RAK Application Sheet,](#) and [Wireless Device LED Diagnostics](#).

For programming a wireless system, including the device in this manual: [Wireless Module Programming Guide](#)

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What is the RML-1200?

Rako RML-1200 modules are digital leading edge dimmers suitable for use with mains voltage tungsten lighting and low voltage tungsten with leading edge dimmable transformers.

RML1200s are inductive dimmers, and are not generally recommended for use with mains dimmable LEDs.
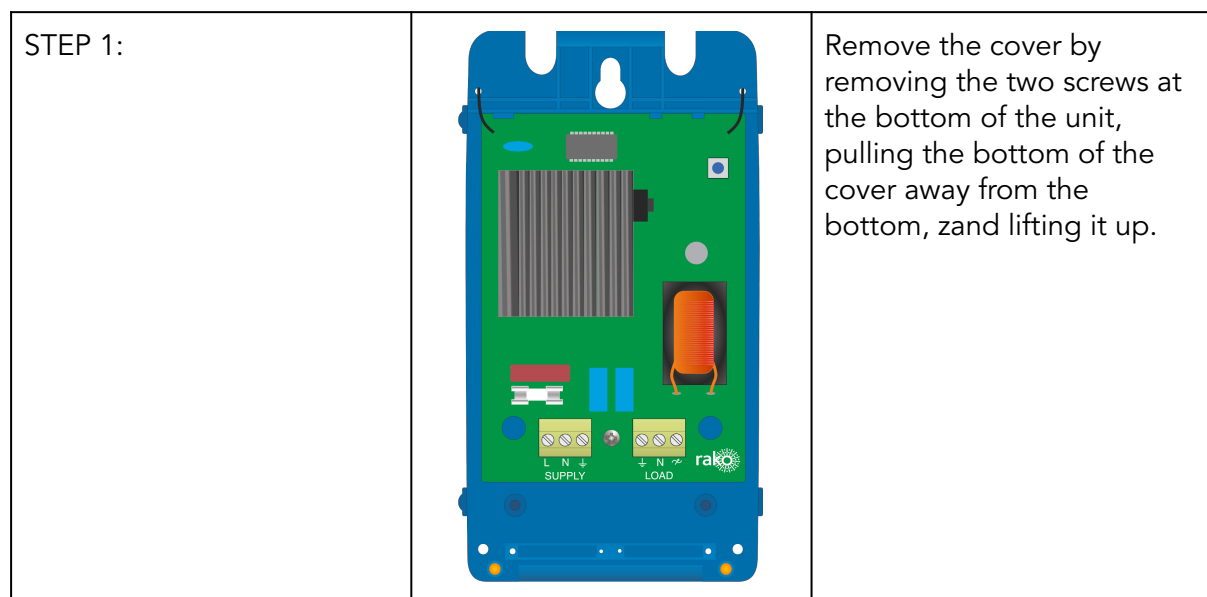
Loadings

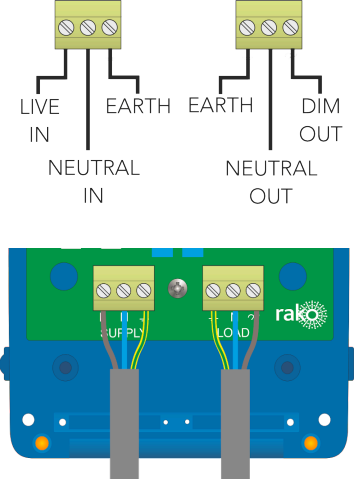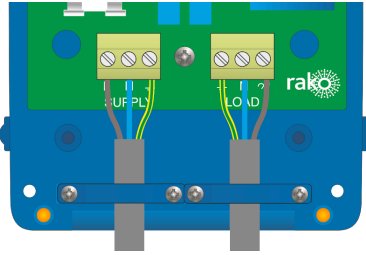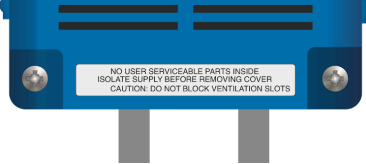| Minimum	20W
Maximum	1200W
Low-voltage transformer loads (leading edge only)	1080W (de-rate by 10%)
Mains voltage LEDs	Not Recommended

Installation of the RML-1200

⚠WARNING

Installation should only be carried out by a competent electrician.

- RML1200 modules should be mounted in areas that are adequately ventilated, dry, and outside of any metal enclosed casings that may interfere with the wireless signal.

- Modules should be mounted vertically, with the terminals at the bottom.

- Ensure that cable clamps are securely fitted on the supply and load cables.

- While the modules are designed to be completely maintenance free, they should be mounted in an accessible location should investigation or re-addressing of the units be necessary.

STEP 1:		Remove the cover by removing the two screws at the bottom of the unit, pulling the bottom of the cover away from the bottom, zand lifting it up.

STEP 2:		Insert the supply IN conductors as well as the load OUT conductors.
STEP 3:		Fit the supplied cable clamps and ensure the cable is unable to move.
STEP 4:		Replace the cover and replace the screws.

Initial Checks

When power is initially connected to the module, the load should power up to full brightness.

The clear button can be used as a manual on/off switch to test the circuit.

The internal LED behind the clear button will flicker when the module receives ANY Rako wireless message and is a useful diagnostic indicator. This function becomes inactive after 20 minutes to avoid a nuisance light spill but can be re-activated by pressing the clear button.

Should the module not respond to any of the above, further investigation must be made before proceeding any further.

Programming the RML-1200

Once the RML-1200 has powered up and has been tested working with the setup button, the device is ready to be programmed. For instructions on how to program the RML-1200, see the Wireless Module Setup Guide.

Thank you for choosing Rako Controls; we hope that you are pleased with your system. Should you require further assistance, please contact us via our website, www.rakocontrols.com, or by calling our customer support helpline on 01634 226666.

Appendix 1: LED Diagnostics

Wireless Range	LED Pulses	Description
Good wireless reception		When the unit is receiving successfully, there will be four rapid pulses on the LED when any wireless message is sent.
Bad wireless reception		When the unit is out of range, there will be intermittent pulses on the LED when any wireless message is sent. NB It is recommended to install a wireless repeater (WRB-100) if you are experiencing intermittent wireless range.